

REMARKS

Claim Objections

Claims 6, 8 and 9 were objected to because of informalities in the claim language. Corrections to the claim language are provided by the claim amendments herein.

Claim rejections

Claims 1,3,6 and 8-10 were rejected as being unpatentable over US 5,121,028 to Milili in view of US 4,152,685 to Renders.

Applicant's claim 1 recites, in relevant portion:

"a deflection unit comprising...a harness portion...the harness portion defined by an edge extending laterally at a constant first radial angular position of about 0 degrees from the rear portions to a first location within the window region, the edge having a second radial angular position greater than 0 degrees at a second location within the window region."

Regarding claim 1 the office action acknowledges Milili does not disclose "harness portion defined by an edge extending laterally...the edge having a second radial angular portion at a second location within the window region." Applicant notes Milili further lacks disclosure of "...the harness portion defined by an edge extending laterally at a constant first radial angular position of about 0 degrees from the rear portions to a first location within the window region..."

Milili illustrates a coil wherein the radial angular position of the harness edge is constant throughout the length of exit region 20, intermediate region and entrance region (See Milili, Fig. 3a). Milili lacks any disclosure to vary the radial axial

position of the harness edge with respect to a window region. Therefore Milili cannot fairly be said to teach anything about radial angular position of either the first or the second location of the harness edge with respect to a window region.

The office action states Renders teaches a deflection unit wherein the edge has a second radial angular position at a second location within the window region. The office action states the second radial angular position is "for the purpose of improving the accuracy of the electron converging on the display screen and enhancing a horizontal deflection efficiency, and eliminating a color shift of a convergence at a peripheral portion and an intermediate portion of a tube surface."

However, applicant notes Renders further lacks disclosure of "the harness portion defined by an edge extending laterally at a constant first radial angular position of about 0 degrees from the rear portions to a first location within the window region", as recited in applicant's amended claim 1. Applicant notes Renders states, "...the portions of the plane of the turns which are situated on each side of the folding lines 17 enclose an angle of substantially 0, so that the turns are arranged one over the other at these areas." (Renders col 2, lines 46-48). However, the location of folding lines 17 of Renders at 0 degrees does not extend to a first position within the window portion of the coil illustrated by Renders.

The office action states it would have been obvious to one of ordinary skill in the art to construct the vertical deflection coil of Milili with a second radial angular position at a second location within the window region according to Renders. However, applicant notes the coil of Milili could not be adapted in

accordance with the teaching of Renders to arrive at applicant's claimed invention. Renders teaches "The deflection coil according to the invention is characterized in that the elementary coil is folded along four folding lines, intersecting the turns, such that each turn crosses all other turns in the vicinity of each folding line." (Renders col. 1 lines 28-34). Renders states the purpose of his disclosed invention is to "provide a deflection coil which can be simply but accurately manufactured." (Renders, col. 1 lines 25-28).

Thus folding the coil of Milili in accordance with the teaching of Renders would not arrive at applicant's claimed invention. Furthermore, the resulting coil configuration of such a combination would not have the effect cited by the examiner as providing the motivation for combining the references.

Milili lacks any teaching related to angular position of an edge of a harness portion of the coil with respect to the spaces described by Milili. Milili lacks any teaching or suggestion that extending a radial angular position of 0 into a first portion of a window has any advantage in convergence. Milili lacks any teaching or suggestion that any advantage could be achieved by providing a coil with a second radial angular position at a second location within the window region. Milili lacks any teaching related to radial angular position of a harness edge with respect to a window region.

Renders lacks teaching or suggestion that any advantage can be conferred by providing either first or second radial angular positions of a harness portion of the coil within a window.

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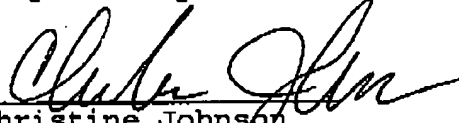
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In view of the above, rejection of applicant's claim 1 over Milili in view of Renders cannot be sustained. Accordingly, Applicants respectfully request the withdrawal of the rejections and allowance of the claims as amended herein.

Applicant invites the Examiner to call the undersigned if it is believed that a telephonic interview would clarify any issues raised herein.

Respectfully submitted,

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